

#### **Today's Workshop Objectives**

- 1. Be able to explain the long-term Vision of Airports GIS
- 2. Have a basic understanding of Airports GIS requirements
- 3. Understand which projects need to incorporate Airports GIS
- 4. Have the knowledge to review and approve a Statement-of-Work
- 5. Be able to answer Airports GIS questions and guide/ help other planners, engineers, program managers, consultants, and sponsors
- 6. Be able to locate resources

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### **Training Focus**

- Best practices; lessons learned
- Advisory Circular interpretation and nuances
- Focus on the "what's" rather than the "how's"





# **Syllabus**

- | Framework/Introduction
- | Geodetic Control -16
- | Imagery; Remote Sensing -17
- | GIS Overview; Airports GIS background
- | Aeronautical Surveys; Airports GIS schema -18
- | Airports GIS website portal
- | RFQ; Project Scopes; Statements of Work; Plans
- | Scoping Meetings; SOW workshop
- | Incorporating Airports GIS into varied projects
- | Resources; Wrap-Up; Q&A





#### **Introductions**

- Name
- **Organization**
- Position/Responsibility
- Rate your Airports GIS Knowledge/Expertise with respect to your office:
  - 1. lowest third
  - 2. middle third
  - 3. top third
- Top Question you expect to be able to answer at the end of the workshop?

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- Training/Outreach Must be On-going
- Two Fronts to Data Management
   Two Fronts to Acceptance and Use
   Airport Sponsors
- Data Verification Needs Refinement
- FAA Guidance Needs Refinement
- Presents New Challenges with Timing

# **Pilot Program | Recommendations**

- Consider Careful Examination of Resources
- Manage the Transition

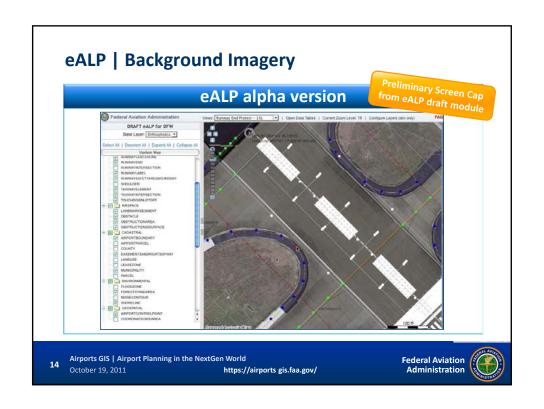
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## electronic Airport Layout Plan (eALP) | Paradigm Shift Legacy ALP **eALP** Goal is the data Goal was the document Single Use Multiple Uses Red-line Changes Updated electronic versions As-built deliverables? As-built data updates req'd **Mapping Accuracy** Higher Accuracy **Few Attributes** Many Attributes Metadata Federal Aviation Administration Airports GIS | Airport Planning in the NextGen World October 19, 2011 https://airports gis.faa.gov/





## What's Next Short Term? | Transition Policy

Updated draft pending APP 1/AAS 1 signatures

### **Immediate Steps**

Associated PGL to be released in tandem

Safety Critical Data: if a survey is required for a project involving safety-critical data, ACs 150/5300-16, -17, and -18 must be used

•Any change to: new/lengthened runways, procedure design, obstruction analysis

•Obstruction survey for new (or changes to existing) Instrument Approach Procedures

<u>No Safety-Critical Data</u>: during the transition period, if a survey is required for a project that does not involve safety-critical data, or if a survey is not required, airports should continue to conduct surveys and collect data using current methods. For projects not involving safety-critical data, airports must incorporate Airports GIS requirements on the following schedule:

- FY-2012 Large/Medium Hub airports
- FY-2013 Small Hub airports
- FY-2014 Non Hub airports FY-2015 Non-Primary airports certificated Part 139 or w/an ATCT
- Other Non-Primary airports in the NPIAS are exempted from incorporating AC150/5300-18 standards for projects not including safety-critical data until further notice

Airports are encouraged to initiate their transition to Airports GIS in advance of the timelines set forth above, as appropriate

15

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What's Next Long Term? | FY-2012+ **Develop lessons** Deploy eALP Deploy airport-Deployment learned from centric website eALP Develop (or Develop (or Policy and Implement via Update the Strategic weave in) GA weave in) eALP Guidance Plan Guidance Guidance Circulars-16/-18 Work with AIM: LiDAR, Satellite **Programming and** Continue to Develop streamline data better LOB additional imagery, NRA **Development** applications verification integration coordination Resolve **Fund additional Complete Phase** challenges **Data Collection** projects via the II pilot program w/data Transition Policy maintenance Resident Continue **Outreach and** Develop eALP workshops and outreach training course at FAA Academy **Training** Airports GIS | Airport Planning in the NextGen World **Federal Aviation** October 19, 2011 Administration https://airports gis.faa.gov/

